

IN THE CLAIMS:

The following listing includes pending claims 1 and 3-10 as well as new claims 11-19.

1. (Currently Amended) A pressure sensor comprising:

a base;

a pressure-sensitive section which includes a pressure sensitive chip and a stand supporting the pressure sensitive chip, said pressure-sensitive section receives pressure and is mounted on said base;

a port through which gas to be measured is injected into said pressure-sensitive section;

and a sensor package which encloses said pressure sensitive section and forms said port; and

a lead which is connected to said pressure-sensitive section and extracts a pressure detection signal,

wherein said pressure-sensitive section and said sensor package are affixed to said base by a fluoroc elastomer.

2. (Canceled)

3. (Currently Amended) The pressure sensor according to claim 1, wherein said lead connects a terminal of said pressure-sensitive section to a wire which is provided on said base; and

said pressure-sensitive section and said lead are covered by a resin.

4. (Previously Presented) The pressure sensor as described in Claim 3, wherein said resin is a fluoroc gel.

5. (Previously Presented). The pressure sensor as described in Claim 4, wherein said fluoroc elastomer which affixes said pressure-sensitive section and said base is harder after solidification than said fluoroc gel.

6. (Previously Presented). The pressure sensor as described in Claim 4, wherein said fluoroc elastomer which affixes said sensor package and said base is harder after solidification than said fluoroc gel.

7. (Previously Presented) The pressure sensor as described in Claim 5, wherein said fluoroc elastomer which affixes said sensor package and said base is harder after solidification than said fluoroc gel.

8. (Previously Presented) The pressure sensor as described in one of Claims 1 to 7, which is used in measuring an aspired air of an engine.

9. (Previously Presented) The pressure sensor as described in Claim 8, which is provided in an aspired air manifold of an engine.

10. (Previously Presented) A pressure sensor according to claim 1, wherein portions of said pressure-sensitive section and of said sensor package affixed to said base are exposed to the gas to be measured.

11. (New) A pressure sensor comprising:

a base;

a pressure-sensitive section which includes a pressure sensitive chip that receives pressure and is mounted directly on said base;

a port through which gas to be measured is injected into said pressure-sensitive section;

and a sensor package which encloses said pressure sensitive section and forms said port; and

a lead which is connected to said pressure-sensitive section and extracts a pressure detection signal,

wherein said pressure-sensitive section and said sensor package are affixed to said base by a fluoric elastomer.

12. (New) The pressure sensor according to claim 11, wherein said lead connects a terminal of said pressure-sensitive section to a wire which is provided on said base; and

said pressure-sensitive section and said lead are covered by a resin.

13. (New) The pressure sensor as described in Claim 12, wherein said resin is a fluoric gel.

14. (New). The pressure sensor as described in Claim 13, wherein said fluoric elastomer which affixes said pressure-sensitive section and said base is harder after solidification than said fluoric gel.

15. (New). The pressure sensor as described in Claim 13, wherein said fluoric elastomer which affixes said sensor package and said base is harder after solidification than said fluoric gel.

16. (New) The pressure sensor as described in Claim 14, wherein said fluoric elastomer which affixes said sensor package and said base is harder after solidification than said fluoric gel.

17. (New) The pressure sensor as described in one of Claims 11 to 16, which is used in measuring an aspired air of an engine.

18. (New) The pressure sensor as described in Claim 17, which is provided in an aspired air manifold of an engine.

19. (New) A pressure sensor according to claim 11, wherein portions of said pressure-sensitive section and of said sensor package affixed to said base are exposed to the gas to be measured.